

Message

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Subject: FW: Register Now - C&EN Webinar on Infrared and Raman Microanalysis of Forensic Evidence

Jim Hanchett
Department of State Police
Amherst Drug Lab
Room N251 Morrill I
637 North Pleasant Street
Amherst, MA 01003
Phone 413-545-2607
Fax 413-545-2608
Cell [REDACTED]

From: jhanchett@charter.net [mailto:jhanchett@charter.net]
Sent: Thursday, October 18, 2012 7:16 AM
To: Hanchett, James (DPH)
Subject: FW: Register Now - C&EN Webinar on Infrared and Raman Microanalysis of Forensic Evidence

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Subject: Register Now - C&EN Webinar on Infrared and Raman Microanalysis of Forensic Evidence
Date: 10/17/12 11:41:18 AM
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To view this email as a webpage, go [here](#). C&EN Webinars: Infrared and Raman Microanalysis of Forensic Evidence
Date: November 1, 2012 Time: USA 11:00 a.m. EDT / 10:00 a.m. CDT / 8:00 a.m. PDT / 15:00 GMT

Register today! **OVERVIEW:**

Infrared and Raman microscopy have become important components to a complete forensic investigation. The highly specific nature of infrared and Raman chemical analysis greatly facilitates the identification of unknown compounds. In this webinar, we will discuss the superior results that using these two techniques can produce for analysis of drug and trace identifiers, paint chips, pigments, and other inorganic based samples during forensic investigations. During this webinar we will also cover uses of optical microscopy, which can be another important compliment to the spectroscopic analysis. Optical analysis provides the physical properties of the

samples in question, such as color, shape, and morphology. Contrast enhancement tools, such as the aperture stop in the Kohler illumination beam path, visible polarizers, darkfield illumination, and fluorescence illumination, are used to facilitate the visualization and characterization of fibers, multilayer laminates, paint chips, gun shot residues, and other evidence.

Subject Areas Covered in Presentation:

- How Infrared microanalysis works to create well- as how Raman microanalysis provides pigments, and other inorganic based samples.
- superior drug and trace identification as superior results for paint chips,

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Speaker

Thomas J. Tague Jr., Ph.D. **Thomas Tague Jr., Ph.D.** Bruker Optics, Inc.

Moderator

Stu Borman **Stu Borman** Sr. Correspondent, C&EN

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